

Yellow Belt Test Questions:

	Sigma refers to a roman letter that mathematicians use when discussing "average" or nean"
	[] True [] False
2.	A process operating at 6 Sigma will only generate 3.4 defects per million opportunities?
	[] True [] False
	In order to achieve Six Sigma, practitioners follow a standard & rigorous methodology known
4.	Six Sigma originated in the 1980's at Motorola?
	[] True [] False
5.	To achieve Six Sigma the DMAIC methodology follows which approach [] Brainstorm possible factors then randomly analyze them to find the significant ones
	[] Use SME knowledge & experience to quickly find solutions
	[] Use the transfer function Y=f(x)
6. —	A Six Sigma process will only produce this many defects per million opportunities
7.	Achieving Six Sigma has nothing to do with meeting customer expectations?
	[] True [] False
8.	Who is credited as being the father of Six Sigma?
	[] Bob Galvin [] Mikel Harry
	[] Jack Welch [] Bill Smith



9.	. Hard costs and soft costs are two types of COPQ							
	[]	True	[]	False	!	
10.	COF	۷Q	is an acronym tha	at si	ta	nds fo	r '	what?
			,					
11.	Whic	ch	of the following is	the	e c	ne tha	at	is not part of the 7 deadly Muda?
	[]	Defects			[]		Over Production
	[]	Inventory			[]		Waiting
	[]	Movement			[]		Conveyance
	[]	Over Processing	3		[]		Measuring
12.	The	Pa	areto Principle is r	າam	e	d after	а	ın Italian economist Vilfredo Pareto
	[]	True	[]	False	·	
13.	СТС)'s	are translated fro	m V	/O	C		
	[]	True	[]	False	;	
14.	СТС) is	an acronym that	sta	nc	ds for v	۸I	hat?
			•					
15.	DPU	J is	calculated by div	idin	ıg	the nu	ın	nber of defects by the number of units
	[]	True	[]	False	,	
	_	-			-			
16.	In Si	x S	Sigma Primary an	d S	ec	condar	У	Metrics are Mandatory
	ſ	1	True	[]	False	•	•
	-	-			-			



17.	RTY is an acronym that sta	nds for wha	at?
18.	DPU is an acronym that sta	ınds for wh	nat?
19.	DMPO is an acronym that s	stands for v	what?
20.	Which of these is not one of	f the 4 stag	ges of team development?
	[] Performing	[]	Storming
	[] Norming	[]	Forming
	[] Adorning		
21.	Which is not a characteristi	c of a succ	cessful team?
	[] Common goals and	working too	gether to achieve that goal
	[] Team member diver	sity (skills,	knowledge, experience etc.)
	[] Appropriate resource	es are avail	lable
	[] Mutual respect		
	[] A good leader exists	among the	e team
	[] Complacency exists		
bea			ll measure, it's the reason for your project, it's your portant thing to understand in order for you to be
23.	A well written problem state	ement conta	ains all of the following except
	[] Baseline		[] Goal
	[] Gap		[]COPQ
	[] Timeline Reference		[] Project Plan



24. From	24. From the following, select those that are characteristics of a Lean Enterprise				
[]	Pull Systems	[] Flow			
[]	Zero Waste	[] Availability			
[]	Flexibility	[] Value Add			
25. Put th	ese 5S's into the proper order of	execution			
[2] Set in Order	[1] Sort			
[3] Shine	[5] Sustain			
[4] Standardize				
26. Lean	and Six Sigma are Both focused	on Quality & Value for the customer?			
[]	True [] False				
27. What	is the Japanese word for waste?				
	type of muda is waste from work ssary or using resources that are	ng more than required, scheduling more capacity overkill?			
[]	Inventory	[] Over-Production			
[]	Motion	[] Waiting			
[]	Transportation	[] Over-Processing			
	are flaws, errors or other	non-conformities that compromise the value of a			
product					
20 1000	io only about removing wests for	m the enterprise?			
su. Lean	is only about removing waste froi	n the enterprise?			
[]	True [] False				



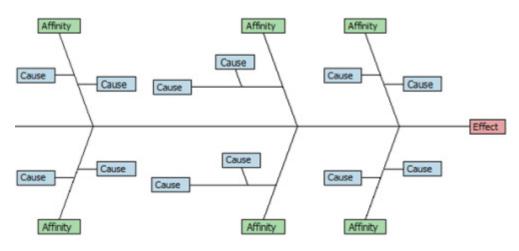
31. The 5 Principals of Lean are paraphrased below, select the correct 5

[] Customer Defines Value	[] Identify the Value Stream
[] Continuous Flow	[] Pull Where Possible
[] Manage Toward Perfection	[] Batch Processing

[] Work Faster

32. ______ is when more products are produced than are required by the next function or customer.

33. What is this?



[] FMEA [] C&E Diagram
[] Process Map [] XY Diagram

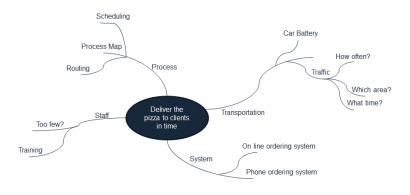
- 34. Arrange these C&E process steps into the correct order of execution.
 - [] Affinitize or group the causes
 - [] Brainstorm all potentials causes
 - [] Evaluate
 - [] Identify & define the effect



35.	SIPOC is an acronym	using which wo	ords?			
	[] Suppliers	[] [mmediat	:e		
	[] Inputs	[]P	rocess			
	[] Outputs	[]C	ustomer	S		
	[] Primary	[]	Secondai	ry		
36.	A SIPOC is another na	me for a flow o	hart			
	[]True	[] False				
	An FMEA ranks potent ection?	ial failures usir	ıg values	s assigned t	to severity,	occurrence and
	[] True	[] False				
	Which of these tools m		-		o a Risk Pri	ority Number and
	[] Cause & Effect	Diagram	[]SI	IPOC		
	[] Functional Proc	ess Map	[] Ti	hought Prod	cess Map	
	[] XY Diagram		[]FN	/IEA		
	should be cess steps and process		ring to ur	nderstand tl	he links bet	ween customers,
40.	should be	used when br	ainstorm	ing possibl	e causes to	an effect.



41. What is this?



[] FMEA	[] C&E Diagran
[] Process Map	[] SIPOC

42. Continuous variables are measured, Discrete variables are counted

[] True [] False

43. Nominal Data are discrete and rank ordered.

[] True [] False

44. Median is the average of a set of data

[] True [] False

45. Median is the middle value in a set of data

[]True []False

46. Mode is the value in a data set that occurs most frequently

[]True []False



	47. Standard Deviation is a measure that describes how far the data points spread away from the mean					
	[]True	[] False				
	For the normal distributi ation	on, about% of the data fall within +/- 1 standard				
	For the normal distributi ation from the mean?	on, about% of the data fall within +/- 2 standard				
50.	A is a grap	hical tool to present the distribution of the data				
51.	The null hypothesis for a	a normality test is that the data are normally distributed?				
	[]True	[] False				
52.	Select only those that a	re examples of graphical analysis tools				
	[] Box Plots	[] Histograms				
	[] Scatter Plots	[] Run Charts				
	[] ANOVA table	[] Regression Equation				
	•	Analysis is a step in a Six Sigma project that ensures the data are re making any data-based decisions.				
	[]True	[] False				
time	•	whether the same appraiser can obtain the same value multiple ame object using the same equipment under the same				
	[] True	[] False				



55. Which are common sources of variation in most measurement systems?				?	
	[] Part to part variat	on	[] Meas	surement instrument	
	[] Repeatability		[] Repro	oducibility	
	[] Humidity	J	[] Altitu	ıde	
	In a Measurement Systonatest?	ems Analysis, wh	nich sour	ce of variation do we h	nope to see be the
	[] Part to part variat	on	[] Measurement instru	ıment
	[] Measurer (persor	n measuring)	[] Altitude	
	[] Humidity				
me. 58.	is the diffe asurement evaluates asuring the same object in	whether different			
	In a Variable Gage R&F peatability and Reproduc				ibutable to
60.	If Kappa is greater than	0.7 the measure	ement sys	stem is acceptable	
	[] True	[] False			
	Cp considers the within- riation from the sample da	ata.	ard devia	ation and Pp considers	the total standard
	[] True	[] False			



	-	not guarantee a process to be capable. However, being stable is a ine whether a process is capable.
	[] True	[] False
		e process's potential capability to meet the two-sided specifications. It ss average into consideration.
	[] True	[] False
	Cp, and Pp take basuring the process	ooth the variation and the average of the process into consideration when a capability.
	[] True	[] False
65.	A Pp of greater th	an 1 suggests
	[] Total proce	ess variation is greater than the width between the USL and LSL
	[] Total proces	ss variation is less than the width between the USL and LSL
66.	A Pp of less than	1 suggests
	[] Total proces	ss variation is greater than the width between the USL and LSL
	[] Total proce	ess variation is less than the width between the USL and LSL
67.	Which of the follow	wing measurements is NOT a process capability index?
	[] Cp	[] Cpk
	[] Карра	[] Percent Defectives
	5S is systematic r nat way?	nethod to organize, order, clean, and standardize a workplaceand keep
	[] True	[] False



69.	. Kanban system is a demand driven system				
	[] True	[] False			
		ive type of Poka Yoke is when your car makes an audible "ding" or has not buckled their seat belt?			
	[] True	[] False			
	An example of a prever nout the door closed?	ntive type of Poka Yoke is when your dishwasher will not start			
	[] True	[] False			
72.	The term "poka-yoke" in	n Japanese means "signboard"			
	[] True	[] False			
		is a "pull" production scheduling system to determine when to nd how much to produce based on the demand			
pro	uuce, what to produce a	nd now much to produce based on the demand			
74	This word in Japanese	means "signboard"			
	Tille Word in Oapanooo				
75.	Which if these is not a l	penefit of a Kanban system			
	[] Minimizes in-process inventory				
	[] Prevents overpro	oduction			
	[] Improves respor	siveness to dynamic demand			
	[] Increases depend	dency on accurate demand forecasts			
	[] Streamlines the	production flow			
	[] Visualizes the work flow				



76. From	the following, selec	ct those that a	are characteristics of a Lean Enterprise			
[] Pull Systems		[] Flow			
[] Zero Waste		[] Value Add			
]] High Levels of Inv	entory	[] Several Qua	ality Control Teams		
	rn on investment is nt to its financial cos		t financial benefit	s (either gain or loss) on a project o		
[] True	[]False				
-		•	alue of cash flow	s calculated using a discount rate?		
[] True	[] False				
79 time	ensure that	the changes i	introduced by a S	ix Sigma project are sustained over		
	are docume to complete an oper		on process steps	, activities and specific tasks		
81. Whic	h of these might no	t be considere	d a standard eler	nent of a control plan?		
[] SOP (Standard O	perating Proce	edures) [] Communication Plan		
[] Training Plan		[] Audit Plan		
[] Floor plan					
	rol plans typically in performance?	clude measure	ement systems th	at monitor and help manage key		
[] True	[] False				



83. Communication Plans are documents that focus on planning and preparing for the dissemination of information?	
[]True [] False
84 A response plan should be a component of as few control plan elements as possible	
[] True [] False
85. Which of the following might be used to ensure actions, processes, procedures and other tasks are performed as expected?	
[] Audit	[] Training
[] SOP's	[] Communication
[] Measurements	[] Poka-Yoke